OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE

Intelligence Advanced Research Projects Activity
IARPA

LEADING INTELLIGENCE INTEGRATION

Briefing to the NDIA 14th Annual S&ET Symposium
24th April 2013

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Distribution A. Released for Public Distribution

Office of the Director of National Intelligence

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Mission

Lead Intelligence Integration

Forge an Intelligence Community that delivers the most insightful intelligence possible.

Vision

A Nation made more secure because of a fully integrated Intelligence Community.

Goals

- Integrate intelligence analysis and collection to inform decisions made from the White House to the foxhole.
- Drive responsible and secure information sharing.
- Set strategic direction and priorities for national intelligence resources and capabilities.
- Develop and implement Unifying Intelligence Strategies across regional and functional portfolios.
- Strengthen partnerships to enrich intelligence.
- Advance cutting-edge capabilities to provide global intelligence advantage.
- Promote a diverse, highly-skilled intelligence workforce that reflects the strength of America.
- Align management practices to best serve the Intelligence Community.

IARPA Mission and Method

IARPA's mission is to invest in high-risk/high-payoff research that has the potential to provide the U.S. with an overwhelming intelligence advantage over our future adversaries

- CAVEAT: HIGH-RISK/HIGH-PAYOFF IS NOT A FREE PASS FOR STUPIDITY
- Bring the best minds to bear on our problems
  - Full and open competition to the greatest possible extent
  - World-class Program Managers (PMs)
- Define and execute research program that:
  - Have goals that are clear, measureable, ambitious and credible
  - Employ independent and rigorous Test & Evaluation
  - Involve IC partners from inception to finish
  - Run from three to five years

Office of Safe and Secure Operations

"counter emerging adversary potential to deny our ability to operate effectively in a globally-interdependent and networked environment"

Computational Power

Revolutionary advances in science and engineering to solve problems intractable with today's computers

Trustworthy Components

Getting the benefits of leading-edge hardware and software without compromising security

Safe and Secure Systems

Safeguarding mission integrity in a hostile world

Office of Smart Collection

"dramatically improve the value of collected data"

Novel Access

Provide technologies for reaching hard targets in denied areas

Asset Validation and Identity Intelligence

- Detect the trustworthiness of others
- Advance biometrics in real-world conditions

Tracking and Locating

Accurately locate HF emitters and low-power, moving emitters

Office of Incisive Analysis

"maximizing insight from the information we collect, in a timely fashion"

Large Data Volumes and Varieties	Social-Cultural and Linguistic Factors	Improving Analytic Processes
Providing powerful new sources of information from massive, noisy data that currently overwhelm analysts	Analyzing language and speech to produce insights into groups and organizations	Dramatic enhancements to the analytic process at the individual and group level

How to engage with IARPA

- **Website: www.iarpa.gov**
  - Reach out to a PM or an Office Director (OD). Contact information is on the website
  - Schedule a visit if you are in the DC area, or invite us to visit you

- **Opportunities to Engage**:
  - Program BAAs
    - Proposers' Days are a great opportunity to learn what is coming, and to influence the BAA.
    - Proposals are typically due 45-60 days after the BAA is published in order to be considered for the first round of evaluation, but most are open for a year.
  - Office-Wide BAAs for "Seedlings"
    - "Seedlings" are typically 9-12 months in duration. Intended to flesh out an idea to determine if a full program is warranted.
    - Each Office has one. Open year round. New topics get added periodically.
    - Contact a PM or OD before submitting an abstract or proposal.
  - Requests for Information (RFIs)
    - Often lead to workshops and ultimately programs; opportunity to provide input as a PM is thinking about a new program

Concluding Thoughts

- Our problems are complex and truly multidisciplinary
- Technical Excellence & Technical Truth
  - Scientific Method
  - Peer/independent review
  - Full and open competition
- We are always looking for outstanding PMs
- How to find out more about IARPA:

  www.iarpa.gov